

Europäisches Patentamt  
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(11) EP 0 659 007 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
19.05.1999 Bulletin 1999/20

(51) Int Cl.6: H04M 11/06

(43) Date of publication A2:  
21.06.1995 Bulletin 1995/25

(21) Application number: 94480123.2

(22) Date of filing: 08.11.1994

(84) Designated Contracting States:  
DE FR GB

(30) Priority: 16.12.1993 US 166996

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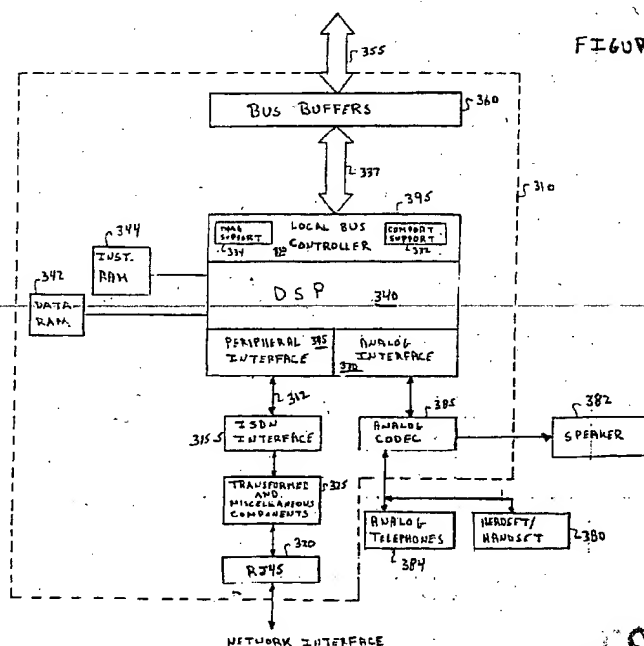
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(54) System and method for communicating with digital and analog devices via a single digital interface

(57) The invention is an ISDN terminal equipment which will maintain connectivity with existing analog modems by setting up a voice-grade connection to existing

analog modems and using the power of a digital signal Processor DSP to generate the digital equivalent of the analog modem signals for transmission on an ISDN "B" channel.



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## EUROPEAN SEARCH REPORT

Application Number  
EP 94 48 0123

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
D,X	EP 0 353 890 A (IBM) 7 February 1990 * page 2, line 49 - page 3, line 40 * * page 11, line 38 - page 12, line 9 * Claim 1	1	H04M11/06
X	US 5 134 611 A (STEINKA ET AL) 28 July 1992 Abstract * column 3, line 5 - line 34 * * column 4, line 27 - column 5, line 33 *	1	
A	US 4 884 285 A (HEYEN ET AL) 28 November 1989 * column 1, line 46 - line 55 * * column 3, line 22 - line 66 * Claims 1, 8, 15	1	
A	EP 0 499 763 A (IBM) 26 August 1992 * column 1, line 34 - column 3, line 58 *	1	
A	DE 40 42 232 A (INTEC GESELLSCHAFT FUER INFORMATIONSTECHNIK) 2 July 1992 Whole document	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)  H04M H04L H04O H04J
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>18 March 1999</b>	Examiner <b>Blanco Cardona, P</b>
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (Pv4021)

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 94 48 0123

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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18-03-1999

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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# System and method for communicating with digital and analog devices via a single digital interface.

**Patent number:** EP0659007  
**Publication date:** 1995-06-21  
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**Applicant:** IBM (US)  
**Classification:**  
 - international: H04M11/06  
 - european: H04Q11/04S; H04L25/49M5; H04Q11/04S1T  
**Application number:** EP19940480123 19941108  
**Priority number(s):** US19930166996 19931216

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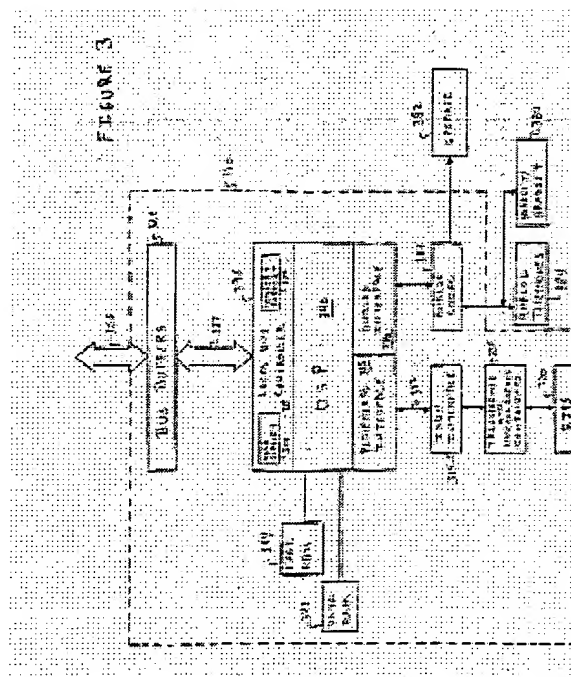
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## Abstract of EP0659007

The invention is an ISDN terminal equipment which will maintain connectivity with existing analog modems by setting up a voice-grade connection to existing analog modems and using the power of a digital signal Processor DSP to generate the digital equivalent of the analog modem signals for transmission on an ISDN "B" channel.



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